

REMARKS

Claims 1-30 are now pending in the application. Claims 1, 3 and 19 are currently amended. Claims 28-30 have been added as new. Support for the new claims and the amended claims may be found throughout the specification as originally filed and, as such, no new matter has been added. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

SPECIFICATION

The title stands objected to as not being descriptive. Applicant(s) have amended the title. Therefore, reconsideration and withdrawal of this objection are respectfully requested.

REJECTION UNDER 35 U.S.C. § 102 AND § 103

Claims 19 and 27 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Narita (U.S. Pub. No. 2002/0017842). This rejection is respectfully traversed.

Claims 1-4, 7-12, 17, 18, 25 and 26 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Horiuchi et al. (WO 01/29862) in view of Narita. Claims 5, 6, 20 and 21 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Horiuchi et al. and Narita as applied to claims 1 and 3 above, and further in view of Pitkjann (U.S. Pat. No. 3,688,149). Claims 22 and 23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Horiuchi et al. and Narita as applied to claims 1 and 3 above, and further in view of Okamoto et al. (U.S. Pat. No. 6,919,686). Claims 24 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Narita as applied to claim 19 above, and further in view of Okamoto. Claims 13 and 14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Horiuchi et al. and Narita as applied to claims 1, 3, 11 and 12

above, and further in view of Hataoka et al. (U.S. Pub. No. 2003/0102805). These rejections are respectfully traversed.

The feature of the present invention recited in the amended claims 1, 3 and 19 resides in that an air inlet for introducing an air and an air vent for ejecting the air are arranged in a lower portion and an upper portion of a reflector, respectively. In contrast, Narita (US 2002/0017842 A1) discloses the feature that an opening 24 for introducing an air and an opening 24 for ejecting the air are arranged in an upper portion and a lower portion of a reflector, respectively (see Figure 3). Thus, the air in the present invention flows to the opposite direction of the air in Narita. Therefore, the features of the present invention and Narita are different from each other, and the rejection on the ground of nonstatutory obvious-type double patenting is not acceptable. Further, the claims 19 and 27 have novelty over cited references.

Furthermore, in the present invention, the arrangement of the air vent in the upper portion of the reflector makes it easier to eject the heated air from the air vent. This brings about the effect of improving introduction of the air flow from the air inlet and effectively reducing the difference in temperature between the upper portion and the lower portion of the luminous bulb (see page 21, lines 2-8 of the specification). The air inlet, which is located in the lower portion of the reflector, for introducing an air flow striking against an upper portion of the luminous bulb and then coming into a lower portion of the luminous bulb can carry heat of the upper portion of the luminous bulb to the lower portion thereof. This also brings about the effect of reducing the difference in temperature between the upper portion and the lower portion of the luminous bulb (see page 19, line 24-page 20, line 20; page 26, lines 8-24; and page 28, lines 3-14 of the specification). However, none of the references disclose the same structure as the present invention.

Horiuchi et al. (U.S. 6,844,679 B1) fails to disclose the feature as explained in the present invention, "a first glass portion extending and a second glass portion provided in at least a portion of the inside of the first glass portion," which is not disclosed in Narita, either. While Horiuchi discloses a glass bulb, Horiuchi fails to disclose any sort of glass portion inside of the glass bulb.

Based upon the foregoing, the present invention is not obvious from cited references.

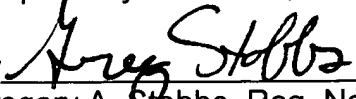
CONCLUSION

In view of the above amendment, applicant believes the pending application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 08-0750, under Order No. 5077-000213/US from which the undersigned is authorized to draw.

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Respectfully submitted,

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